How to disable autonegotiation on the 'ef0' and 'ef1' interfaces, Octane only

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Symptom(s):

How to disable autonegotiation on the 'ef0' and 'ef1' interfaces, Octane only

Fact(s):

Silicon Graphics Octane
6.5.9 and above

SGI Solution:

To disable autonegotiation on the 'ef1' interface on an Octane

Note: The 'ef' interfaces on the Octane are different. 'ef0' is 'PHY_ICS1890' and 'ef1' is 'PHY_DP83840'

1. Edit '/var/sysgen/master.d/if_ef' using your favorite editor

change

```
        { -1, PHY_ICS1890, -1, 18, 1 << 5, 1 << 5 },    /* link loss inhibit */
#ifdef notdef
        { -1, XXX, -1, 0, 0xffff, YYY },
#endif
        { -1, 0, 0, 0, 0, 0},
};
```

to

```
        { -1, PHY_ICS1890, -1, 18, 1 << 5, 1 << 5 },    /* link loss inhibit */
        { 0, PHY_ICS1890, -1, 0, 0xffff, F100 },
        { 1, PHY_DP83840, -1, 0, 0xffff, F100 },
        { -1, 0, 0, 0, 0, 0},
};
```

2. Build a new kernel then reboot to implement the changes.

```
#autoconfig -vf
# reboot
```

Answers others found helpful

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Additional Details

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Products	• Servers and Clusters • SGI Origin/Onyx • Origin/Onyx Server • Workstations • SGI Tezro • O2 • Octane
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